

RTP PP 20 GF

Polypropylene

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.
Value Product

| General Information | | | |
|---|----------------------------------|-------------|-------------|
| Filler / Reinforcement | Glass Fiber,20% Filler by Weight | | |
| Features | Chemically Coupled | | |
| RoHS Compliance | Contact Manufacturer | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.03 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 5.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow (3.18 mm) | 0.30 to 0.50 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 4830 | MPa | ASTM D638 |
| Tensile Strength | 58.6 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 4.0 to 5.0 | % | ASTM D638 |
| Flexural Modulus | 3790 | MPa | ASTM D790 |
| Flexural Strength | 95.1 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (3.18 mm) | 64 | J/m | ASTM D256 |
| Unnotched Izod Impact (3.18 mm) | 530 | J/m | ASTM D4812 |
| Flammability | Nominal Value | Test Method | |
| Flame Rating (1.50 mm, Values per RTP Company testing.) | HB | UL 94 | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 79.4 | °C | |
| Drying Time | 2.0 | hr | |
| Processing (Melt) Temp | 191 to 232 | °C | |
| Mold Temperature | 32.2 to 65.6 | °C | |
| Injection Pressure | 68.9 to 103 | MPa | |

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Recommended distributors for this material

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